

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2002-043991**

(43)Date of publication of application : **08.02.2002**

(51)Int.Cl. **H04B 7/005**

H04B 3/10

H04B 7/26

H04J 13/00

H04L 27/38

H04L 27/01

H04L 27/22

(21)Application number : **2000-225161**

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(22)Date of filing : **26.07.2000**

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(54) WIRELESS RECEIVING DEVICE AND WIRELESS RECEIVING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a wireless receiving device that can estimate a channel with high accuracy by preventing the accuracy of channel estimate from being deteriorated when a channel is estimated by using a signal whose data part is not known.

SOLUTION: A likelihood calculation section 205 calculates likelihood of a data part signal and outputs a weight coefficient in response to the likelihood to a multiplier 206, the multiplier 206 multiplies a weight coefficient outputted from the likelihood-calculation section 205 by a data channel estimate value outputted from a data channel estimate section 204 to apply weighting to the data channel estimate value depending on the likelihood of the data part signal, and a synthesis section 207 synthesizes the PL(pilot) channel estimate value with the data channel estimate value weighted depending on the likelihood of the data part signal to obtain a final channel estimate value.

